DERWENT-ACC-NO: 2003-459542

DERWENT-WEEK:

200344

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TITLE:

Sewage drying apparatus comprises use of

greenhouse solar

power under moving gantry with rotary hoe

PATENT-ASSIGNEE: GRIMM WIGRIMIN

PRIORITY-DATA: 2003DE-2004220 (March 17, 2003)

PATENT-FAMILY:

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PUB-DATE

LANGUAGE

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CIPS C10L5/46 20060101

ABSTRACTED-PUB-NO: DE 20304220 U1

## BASIC-ABSTRACT:

NOVELTY - An assembly dries sewage sludge arising from waste water treatment.

The sewage is spread out on a straight bed and dried by solar action.

(2) is traversed by an overhead gantry (5) to which sludge processing tools (8)

are fixed. The gantry tools turn the sludge at intervals and break it into granular particles.

DESCRIPTION - The sludge processing tools are depth-adjustable rotary soil hoes

(8). The gantry further has an air blower hood with pipes to numerous outlets.

The gantry moves along tracks (3, 4) either side of the bed (2). In

preferred embodiment the overhead gantry rotates over a circular sewage **sludge** 

bed about a central axle. The sludge drying assembly is preferably

automated

with the assistance of programmable logic controls under a glass cover.

USE - Used for sewage sludge solar drying and gramulation bed.

ADVANTAGE - The assembly reduces the cost of rendering sewage sludge suitable for incineration.

DESCRIPTION OF DRAWING( $\hat{S}$ ) - The drawing shows a suitable sewage drying bed under a translucent structure.

Greenhouse (1)

Sewage bed (2)

Sidewalls/gantry rail (3, 4)

Gantry (5)

Rotary hoe (8)

Hanging frame (6)

Spindle drive (9)

Blower (10)

CHOSEN-DRAWING: Dwg.1/6

TITLE-TERMS: SEWAGE DRY APPARATUS COMPRISE GREENHOUSE SOLAR POWER MOVE GANTRY

ROTATING HOE

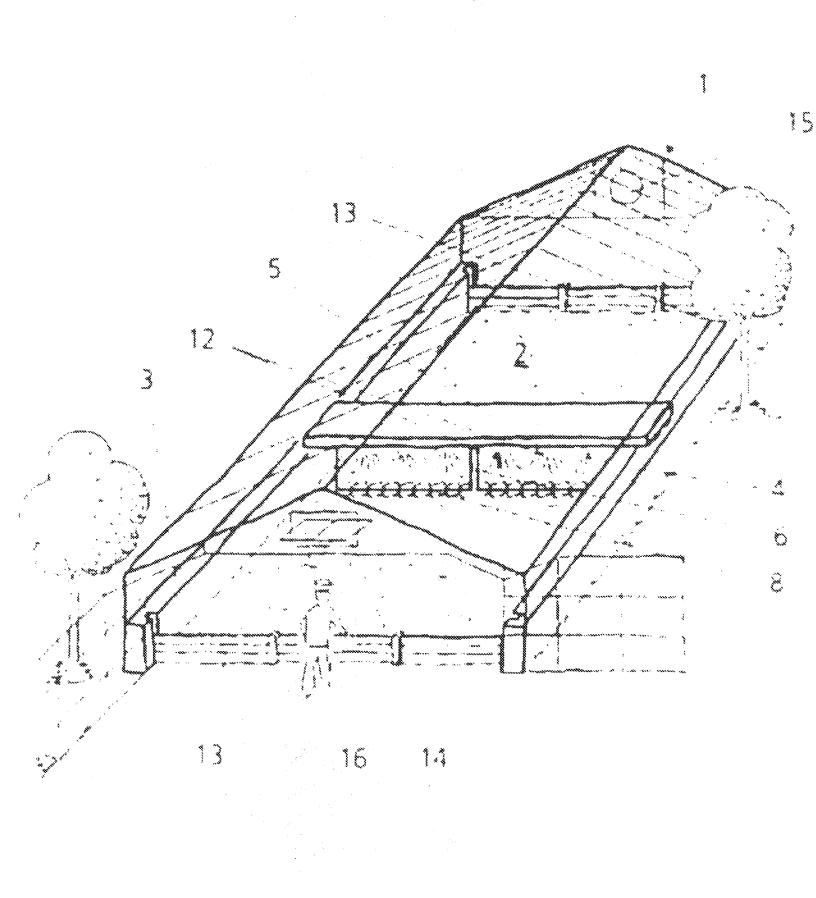
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